

FIG. 2

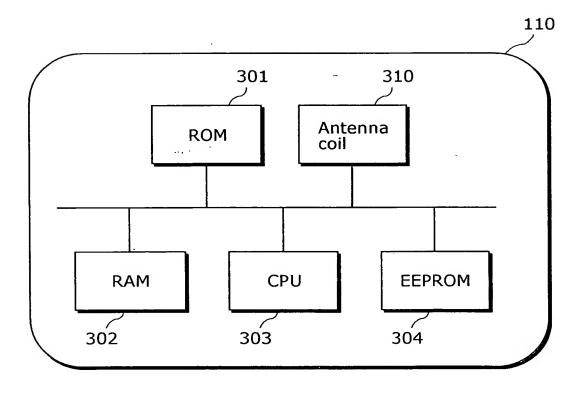
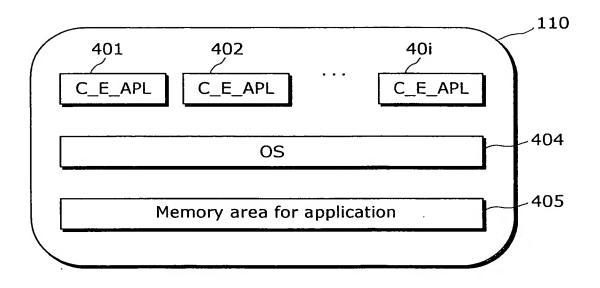
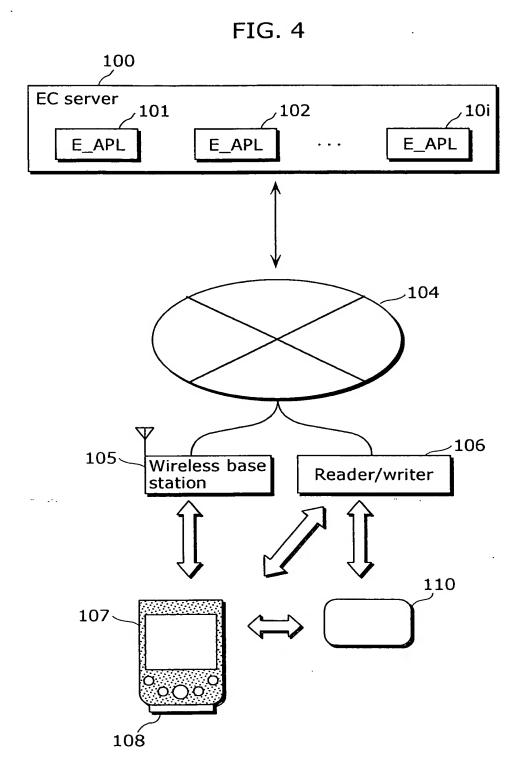
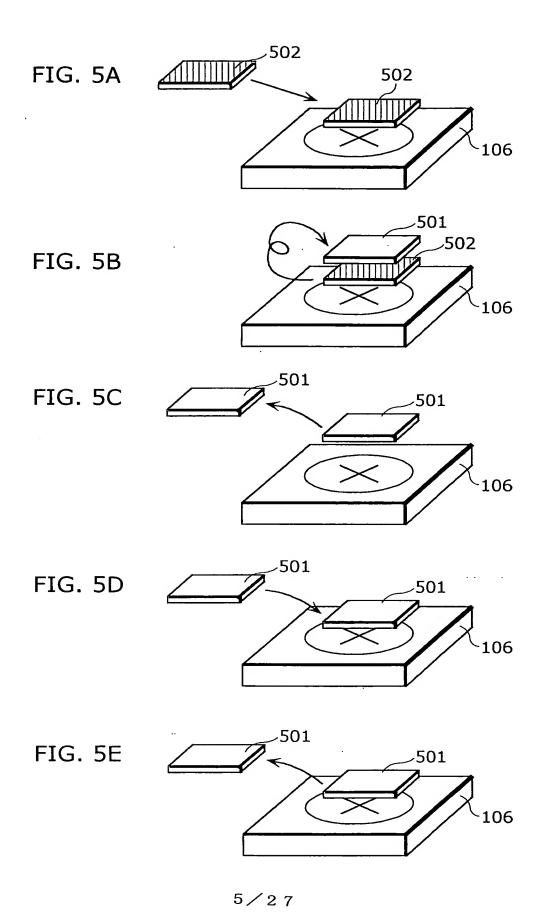
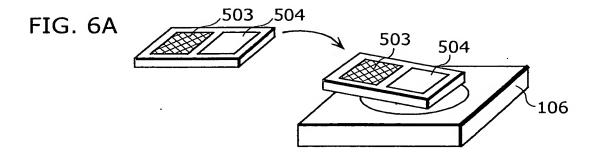


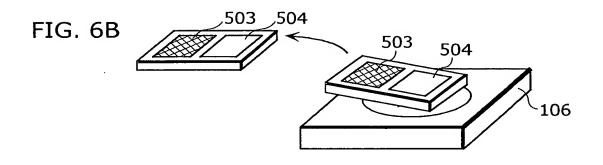
FIG. 3

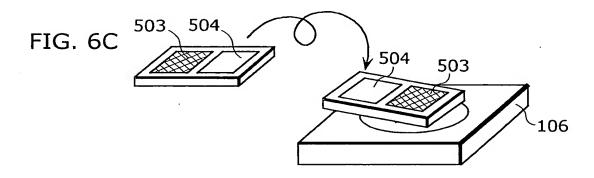


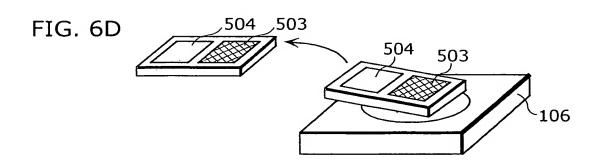


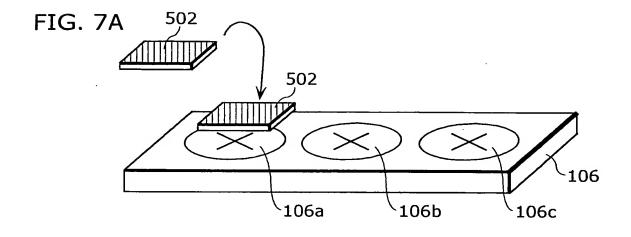


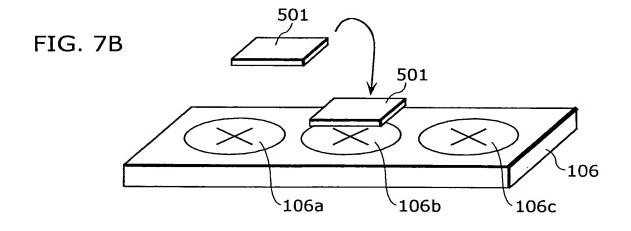












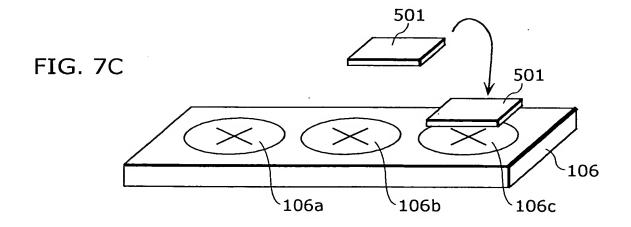
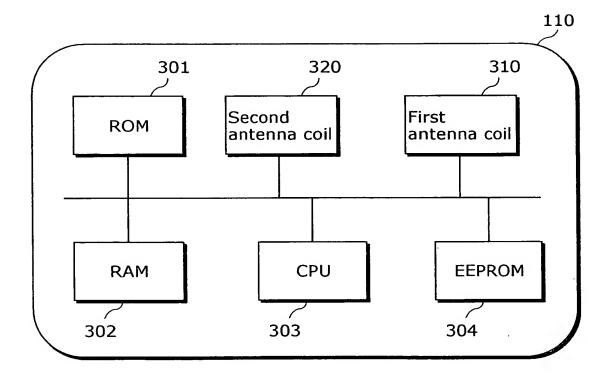


FIG. 8



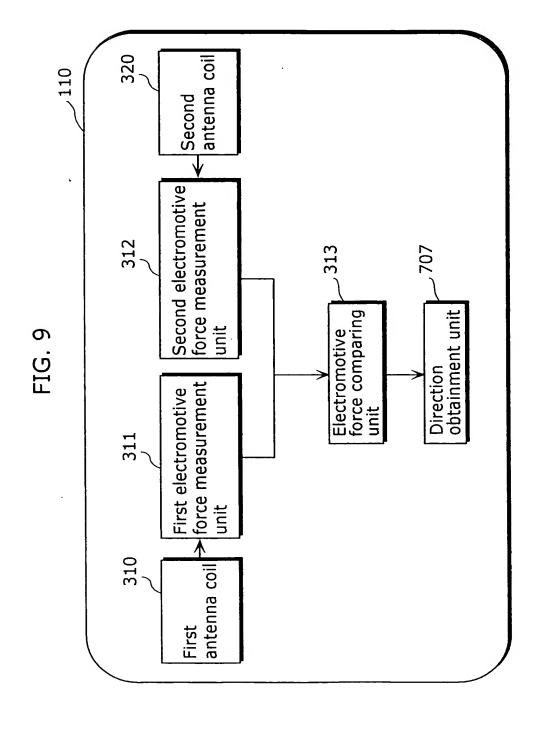


FIG. 10A

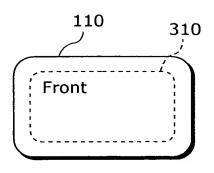
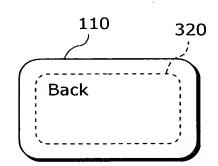


FIG. 10B



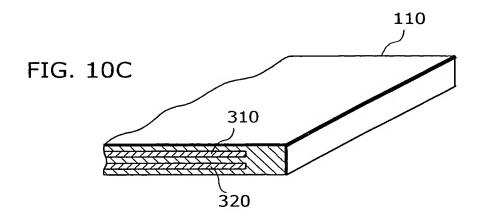
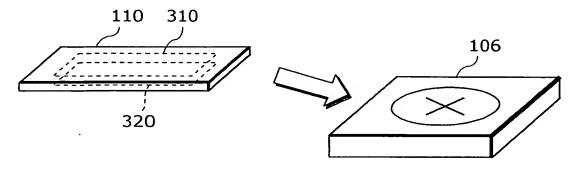


FIG. 11A



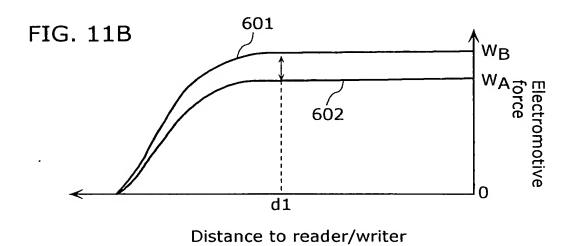


FIG. 12A

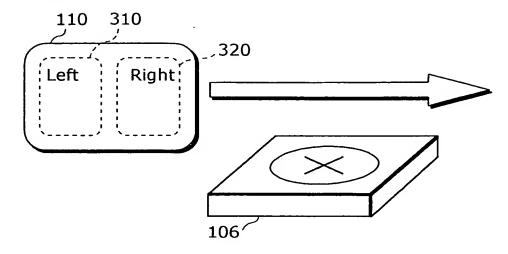


FIG. 12B

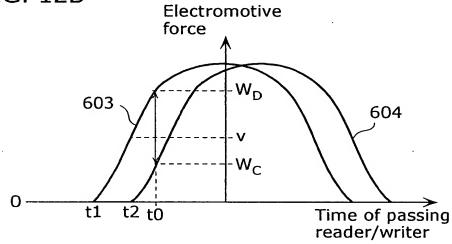
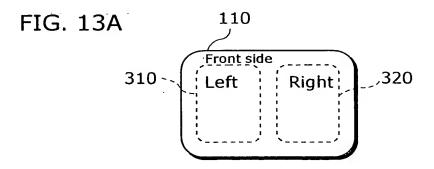


FIG. 12C Electromotive force $\hbar w_{E}$ 606a 605a < 605 606 0 t3 t4 Time of passing reader/writer



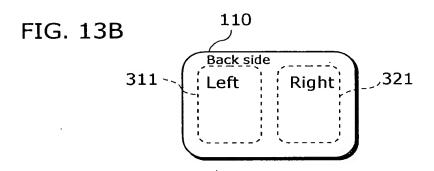
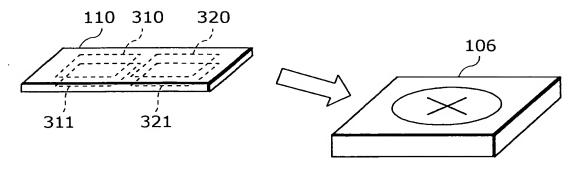
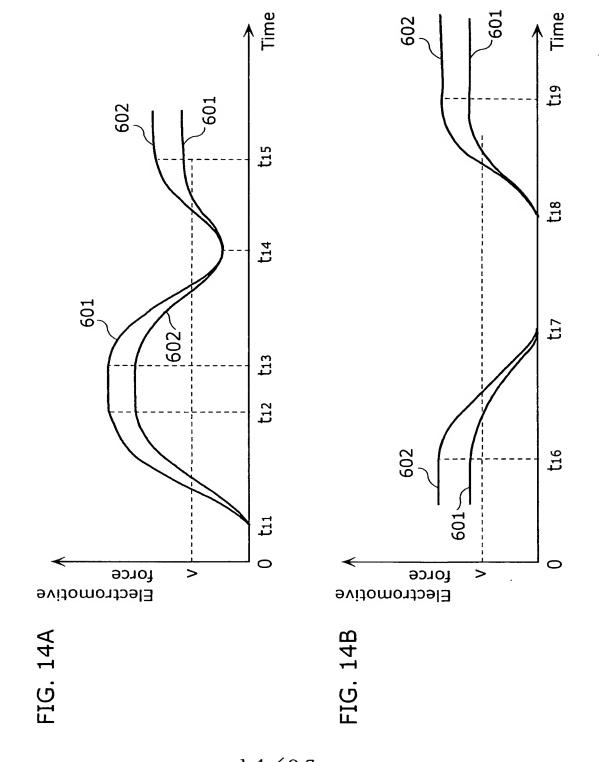
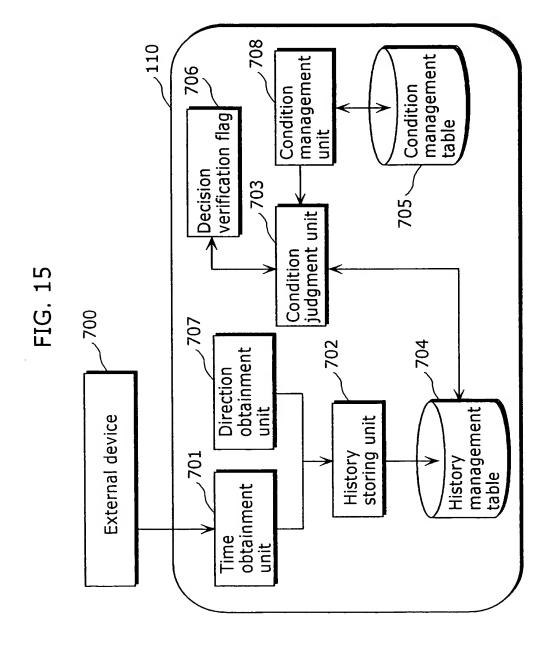


FIG. 13C







830 Access state FIG. 16 831 APL_ID 820 810 704

Access direction 88h 94h 832 38h 07D5h | 03h | 03h | 0Ch | 18h | 37h 07D5h | 03h | 03h | 0Ch | 18h | 04.3.3,12:24:55 04.3.3,12:24:56 Access time 0001h 0001h E_SRV1 E_SRV1 Service type 841~ 840

		, C	1100	11109	11110	1117	1112	1114	1115	1116	1117	1118	1110	1120	1121	1177	7711
1107		Value		88h	84h	82h	81h	90h	98h	94h	92h	91h	00h/10h	08h/18h	04h/14h	02h/12h	01h/11h
1102 1103 1104 1105 1106		Indication		Front side up	Front side down	Front side left	Front side right	Back side	Back side up	Back side down	Back side left	Back side right	side 1/side 2	side 1/side 2 up	side 1/side 2 down	side 1/side 2 left	side 1/side 2 right
	b1	Right	0	0	0	0	1	0	0	0	0	1	0	0	0	0	
	b2	_eft	0	0	0		0	0	0	0	~ -1	0	0	0	0		0
	b3	Down	0	0	—	0	0	0	0	-	0	0	0	0	-	0	0
1102	p4	dΩ	0	- -1	0	0	0	0		0	0	0	0		0	0	0
1101	b5	Front=0 Back=1	0					1					0/1				
	√ 199	Fron Bac	0					0					0				
1100	67	back ation	0					0					0				
	P8	Front back verification flag						₩					0		 - - - -	 	
_																	

80h 10h Time series pattern 1205 02h 10h 80h nbyte 94h 00h 91h 01h 12h Access conditions 1202 01h 80h 10h 82h 11h Time limit 1byte 1204 04h 08h 00 00 **99** OCh OCh OFh FIG. 18 APL_ID Comparison 1203 1byte times 02h 04h 00h 04h 03h 02h : 1201 2byte 0001h 0004h 2200h 0120h 3312h 0912h 1200 Service type E_SRV3 E_SRVn E_SRV1 E_SRV2 E_SRV4 E_SRVi 705 1211 1212 1213 1214

FIG. 19

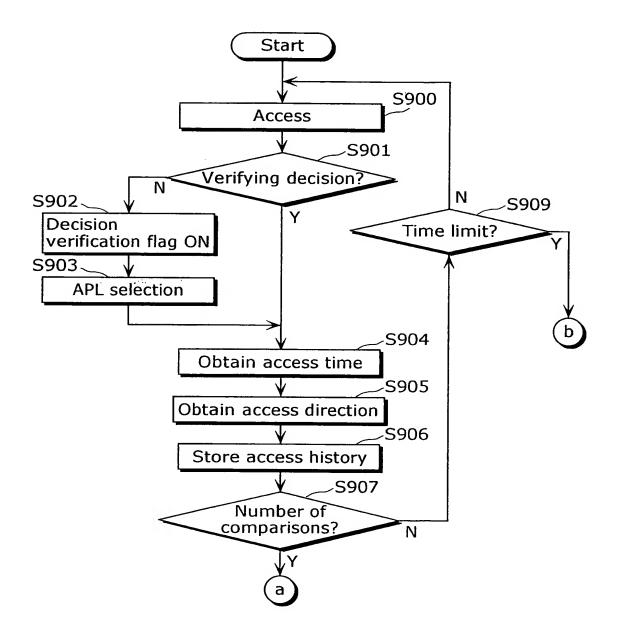
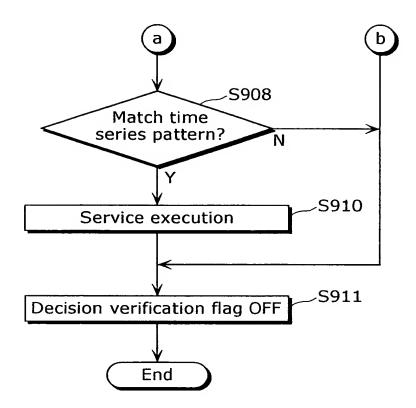


FIG. 20



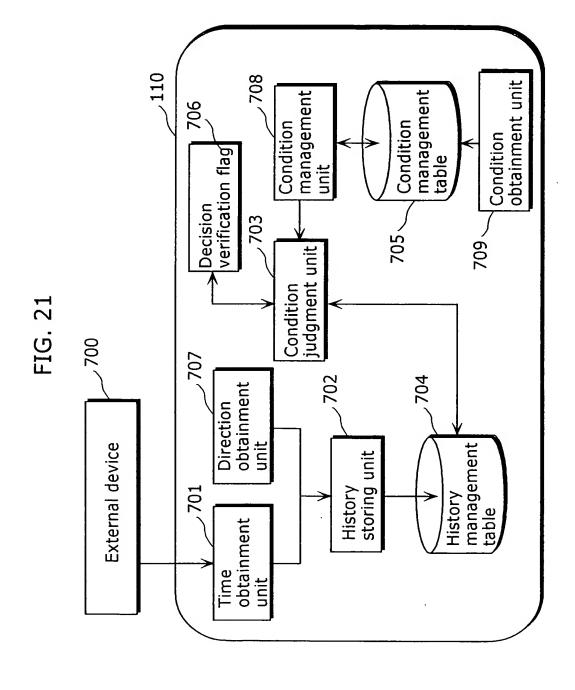


FIG. 22

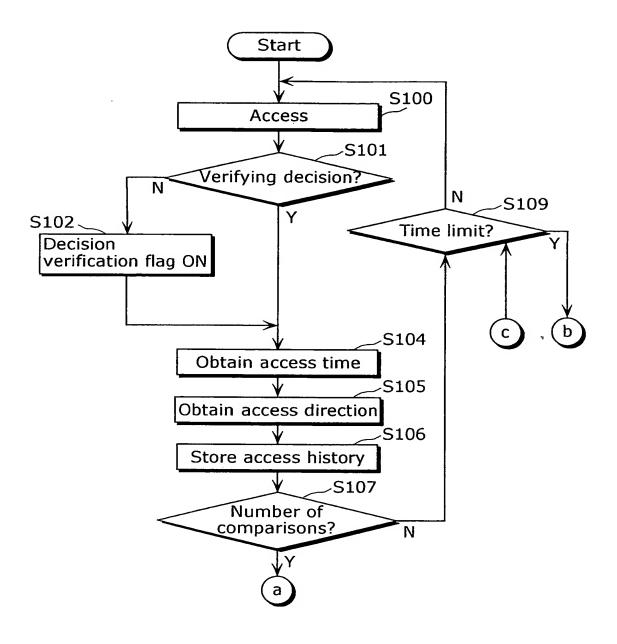
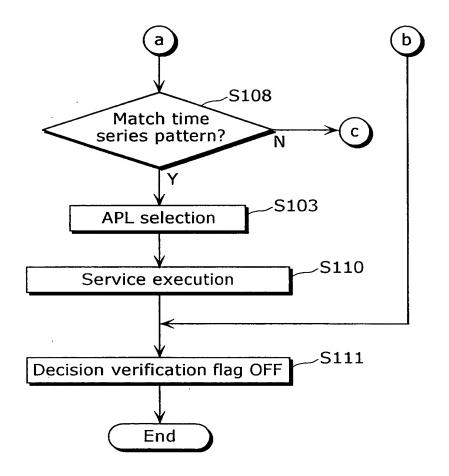
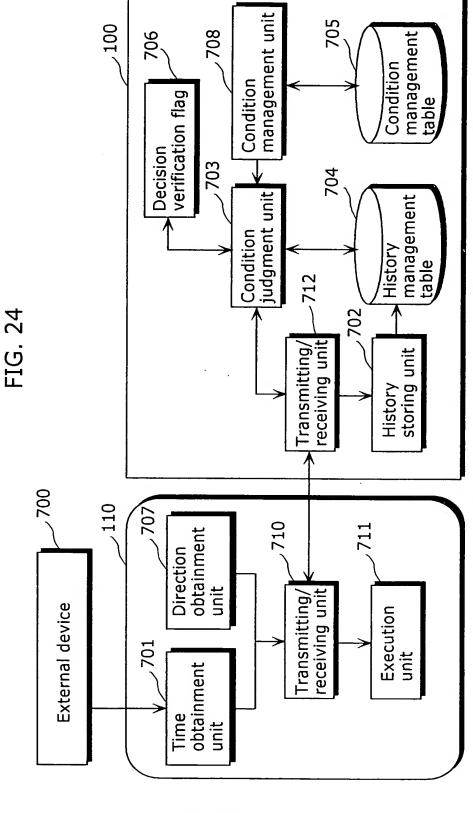


FIG. 23





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FIG. 25

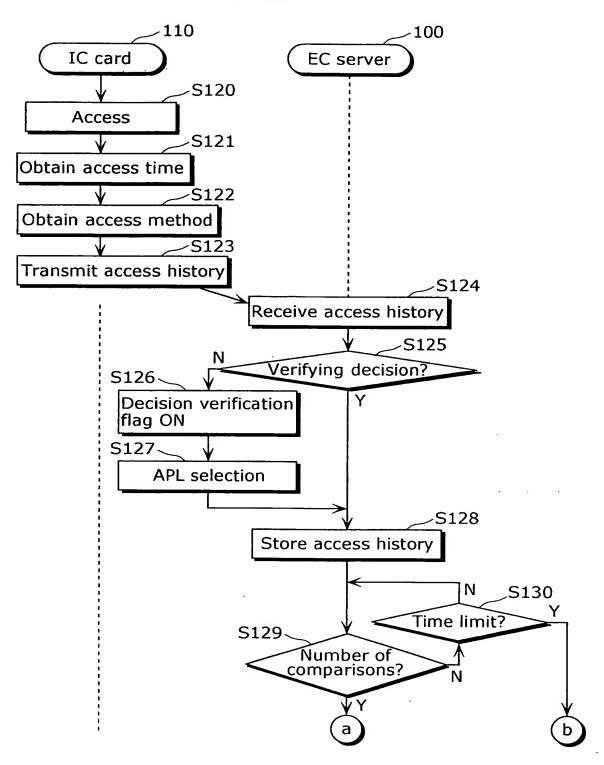


FIG. 26

